INDEX

Apelt, C. J. *See* West & Apelt

Baker, G. R. *See* Meiron, Baker & Orszag

Bernstein, I. B. *See* Gardner, Book & Bernstein

Bitbol, M., Dantan, Ph., Perrot, P. & Oddou, C. Collapsible tube model for the dynamics of closure of the mitral valve, 187–211

Book, D. L. *See* Gardner, Book & Bernstein

Bryant, P. J. Modulation by swell of waves and wave groups in the ocean, 443–466

Bühler, K. & Oertel, H. Thermal cellular convection in rotating rectangular boxes, 261–282

Clever, R. M. *See* Frick & Clever

Dantan, Ph. *See* Bitbol, Dantan, Perrot & Oddou

Davis, A. M. J. & Geer, J. F. The application of uniform-slender-body theory to the motion of two ships in shallow water, 419–441

Davis, R. E. On relating Eulerian and Lagrangian velocity statistics: single particles in homogeneous flows, 1–26

Deshpande, M. D. & Vaishnav, R. N. Submerged laminar jet impingement on a plane, 213–236

Evans, D. V. Wave-power absorption by systems of oscillating surface pressure distributions, 481–499

Forbes, L. K. & Schwartz, L. W. Free-surface flow over a semicircular obstruction, 299–314

Frick, H. & Clever, R. M. The influence of side walls on finite-amplitude convection in a layer heated from below, 467–480

Friedlander, S. & Siegmann, W. L. Internal waves in a contained rotating stratified fluid, 123–156

Gardner, J. H., Book, D. L. & Bernstein, I. B. Stability of imploding shocks in the CCW approximation, 41–58

Geer, J. F. *See* Davis & Geer

Hall, A. J. *See* Thorpe & Hall

Hermann, G. *See* Michalke & Hermann

Holt, M. *See* Li & Holt

Homsy, G. M. *See* Jhaveri & Homsy

Hopfinger, E. J. & Linden, P. F. Formation of thermoclines in zero-mean-shear turbulence subjected to a stabilizing buoyancy flux, 157–173

Jhaveri, B. S. & Homsy, G. M. The onset of convection in fluid layers heated rapidly in a time-dependent manner, 251–260

Li, Kon-Ming & Holt, M. Supercritical flow past symmetrical airfoils, 399–418

Linden, P. F. *See* Hopfinger & Linden

Loehrke, R. I. *See* Tan-atichat, Nagib & Loehrke

McHale, E. J. & Melcher, J. R. Instability of a planar liquid layer in an alternating magnetic field, 27–40

McLean, J. W. Instabilities of finite-amplitude water waves, 315–330

McLean, J. W. Instabilities of finite-amplitude gravity waves on water of finite depth, 331–341

Meiron, D. I., Baker, G. R. & Orszag, S. A. Analytic structure of vortex sheet dynamics. Part 1. Kelvin–Helmholtz instability, 283–298

Melcher, J. R. *See* McHale & Melcher

Michalke, A. & Hermann, G. On the inviscid instability of a circular jet with external flow, 343–359

Nagib, H. M. *See* Tan-atichat, Nagib & Loehrke

Oddou, C. *See* Bitbol, Dantan, Perrot & Oddou

Oertel, H. *See* Bühler & Oertel

Onishi, Y. The bulk stress in a suspension of spherical particles of condensed phase in its slightly rarefied vapour gas, 175–186

Orszag, S. A. *See* Meiron, Baker & Orszag

Ottino, J. M. Description of mixing with diffusion and reaction in terms of the concept of material surfaces, 83–103

Perrot, P. *See* Bitbol, Dantan, Perrot & Oddou

Pierrehumbert, R. T. & Widnall, S. E. The two- and three-dimensional instabilities of a spatially periodic shear layer, 59–82

Schwartz, L. W. *See* Forbes & Schwartz

Siegmann, W. L. *See* Friedlander & Siegmann

Smith, R. Contaminant dispersion in oscillatory flows, 379–398

Stern, M. E. Inequalities and variational principles in double-diffusive turbulence, 105–121

Tan-atichat, J., Nagib, H. M. & Loehrke, R. I. Interaction of free-stream turbulence with screens and grids: a balance between turbulence scales, 501–523

Thorpe, S. A. & Hall, A. J. Observations of the thermal structure of Langmuir circulation, 237–250

Vaishnav, R. N. *See* Deshpande & Vaishnav

West, G. S. & Apelt, C. J. The effects of tunnel blockage and aspect ratio on the mean flow past a circular cylinder with Reynolds numbers between 10^4 and 10^5, 361–377

Widnall, S. E. *See* Pierrehumbert & Widnall

REVIEWS

Dynamics of the Upper Atmosphere, by Susumo Kato, 529–531

An Introduction to the Physical Properties of Large Molecules in Solution, by E. G. Richards, 531–532

Mixing in Inland and Coastal Waters, by Hugo B. Fischer, E. John List, Robert C. Y. Koh, Jörg Imberger and Norman H. Brooks, 532–533

An Approach to Rheology through Multivariable Thermodynamics, by Harry H. Hull, 533

Underwater Acoustics and Signal Processing, edited by Lief Bjørnø, 533–534